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## WHAT IS CLAIMED IS:

- 1. A method comprising the steps of:
  - receiving an encrypted data from a first plurality of applications including a first encrypted data from a first application assigned to a first key register and a second encrypted data from a second application assigned to a second key register;
  - assigning a third key register for decrypting data from the first application, based upon a request for re-authentication;
  - receiving a third encrypted data from the first application assigned to a third key register; and
  - providing the first encrypted data to a first decryption source after the step of receiving the third encrypted data.
- 2. The method as in Claim 1, further including the steps of:
  providing the third encrypted data to the first decryption source; and
  providing the second encrypted data to the second decryption source.
- 3. The method as in Claim 1, wherein the decryption source decrypts the first encrypted data using a first encryption key stored in the first key register.
- 4. The method as in Claim 1, wherein the request for re-authentication is a notification sent by the first application to a driver.
- 5. The method as in Claim 1, wherein the step of assigning the third key register includes locating an unused key register.
  - 6. A method of providing multiple channels of secure multimedia data, the method comprising the steps of:
- receiving a first authentication request from a first multimedia application;

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- receiving a second authentication request from a second multimedia application, wherein the second multimedia application is different than the first multimedia application;
- assigning a first key register to the first application based upon the first authentication; and
- assigning a second key register to the second application based upon the second authentication,
- receiving first encrypted data based upon a first encryption key from the first multimedia application;
- receiving second encrypted data based upon a second encryption key from the second multimedia application, wherein the first and second encrypted data are for simultaneous real-time play back.
- 7. The method as in Claim 6, wherein the first and second application are the same application.
- 8. The method as in Claim 6, wherein the first and the second applications are capable of providing a notification to the driver.
- 9. The method as in Claim 8, wherein the notification includes the first and second authentication request.
- 10. The method as in Claim 8, wherein the notification includes a request for reauthentication.
- 11. The method as in Claim 6, wherein the first and the second multimedia applications relate to video applications.
- 12. The method as in Claim 6, wherein assigning the first and the second encryption key includes selecting unused key registers.

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- 13. The method as in Claim 6, wherein the first and second key registers are stored in a driver.
- 14. The method as in Claim 6, wherein the first and second key registers are stored in hardware.
  - 15. The method as in Claim 6, further including the step of providing a binary file to developers of the first and second multimedia applications for inclusion in the first and second multimedia application.
  - 16. The method as in Claim 15, wherein the binary file is for decoding commands generated in the first and second multimedia applications to hardware commands.
- 15 17. The method as in Claim 15, wherein the binary file includes a set of encryption keys for encrypting data generated in the first and second applications.

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18. A system compri	sing
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- a data processor having a first I/O buffer;
- a memory having a second I/O buffer coupled to the first I/O buffer of the data processor, the memory capable of storing code for:
  - a plurality of multimedia applications including a first multimedia application and a second multimedia application, wherein the second multimedia application is different from the first multimedia application;

## a driver for:

receiving a first authentication request from the first multimedia application;

receiving a second authentication request from the second multimedia application;

assigning a first key register to the first application based upon the first authentication; and

assigning a second key register to the second application based upon the second authentication,

receiving first encrypted data based upon a first encryption key from the first multimedia application; and

receiving second encrypted data based upon a second encryption key from the second multimedia application, wherein the first and second encrypted data are for simultaneous real-time play back; and

a hardware device for processing data generated by the first and second multimedia applications including;

- a key register for storing a decryption key;
- a decryption component for decrypting data using said decryption key; and a processing component for processing multimedia data.
- 19. The method as in Claim 18, wherein the plurality of multimedia applications

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include a binary file for encrypting data generated within the plurality of multimedia applications.

- 20. The method as in Claim 19, wherein the binary file is further capable of decoding data generated within the plurality of multimedia applications to generate hardware commands.
  - 21. The method as in Claim 18, wherein the driver is further capable of:

    decrypting the first encrypted data based on the first encryption key;

    decrypting the second encrypted data based on the second encryption key;

    encrypting the first and second encrypted data using a hardware key to generate a

    third encrypted data; and

    providing the third encrypted data to the hardware device.
- 22. The method as in Claim 18, wherein the hardware device includes sets of key registers for storing a plurality of decryption keys and the hardware device is further capable of:

  decrypting the first encrypted data based on the first encryption key; and decrypting the second encrypted data based on the second encryption key.

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23. A computer readable medium tangibly embodying a plurality of programs of instructions, the plurality of programs including:

## a driver for:

receiving a first authentication request from the first multimedia application;

receiving a second authentication request from the second multimedia application;

assigning a first key register to the first application based upon the first authentication;

assigning a second key register to the second application based upon the second authentication,

receiving first encrypted data based upon a first encryption key from the first multimedia application; and

receiving second encrypted data based upon a second encryption key
from the second multimedia application, wherein the first
and second encrypted data are for simultaneous real-time
play back.

- 24. The computer readable medium as in Claim 22, wherein the plurality of programs further include a plurality of multimedia applications including a first multimedia application and a second multimedia application, wherein the second multimedia application is different from the first multimedia application.
- 25. The computer readable medium as in Claim 24, wherein the plurality of multimedia applications include a binary file for encrypting data generated within the plurality of multimedia applications.
  - 26. The computer readable medium as in Claim 24, wherein the binary file is further capable of decoding data generated within the plurality of multimedia applications to generate hardware commands.

- 27. The computer readable medium as in Claim 24, wherein the driver is further capable of:
- decrypting the first encrypted data based on the first encryption key; and
  decrypting the second encrypted data based on the second encryption key.

28. A method comprising the steps of:

providing a binary file to an application vendor, wherein the binary file is for:

providing a method of negotiating encryption with a device driver;

generating an encryption key value based upon a negotiation with the

device driver; and

providing an encryption of data using a final key value.

26